

CHAPTER 2

PREPARATION OF LAV-25

LESSON PLAN 2

METHOD:

Conference, demonstration, and practical exercise

TIME ALLOTTED:

1.5 hours

COURSE PRESENTED TO:

- a. LAV-25 crews
- b. Instructors
- c. TAVSC personnel

TOOLS, EQUIPMENT, AND MATERIALS:

See Appendix A

PERSONNEL:

- a. Primary instructor
- b. Assistant instructor

INSTRUCTIONAL AIDS:

- a. Overhead projector
- b. Viewgraphs (Appendix C)

REFERENCES:

- a. TM 08594A-12&P
- b. TM 08594A-10/1A

APPENDICES:

Appendix A. Tools, Equipment, and Materials
Appendix B. Safety
Appendix C. Viewgraphs

2-1. INTRODUCTION.

(5 minutes)

Note. Show Slide 1.

- a. **Reason.** PGS provides LAV-25 crews with a means to conduct precision gunnery training using their assigned vehicles. To use PGS to its full potential, you must properly prepare the vehicle for PGS training.

Note. Show Slide 2.

- b. **Training Objective.** Given an operational LAV-25 with SL3 and a 25mm boresight kit, you will demonstrate the following tasks to prepare the vehicle for PGS training:
 - (1) Conduct pre-mission checks and services IAW TM 08594A-10/1A.
 - (2) Boresight M242 and reference thermal sight.
 - (3) Perform complete thermal sight system checkout.
 - (4) Prepare vehicle-specific equipment IAW TM 08594A-12&P, Chapter 2.
- c. **Procedure.** During this block of instruction, we will cover how to prepare the LAV-25 for PGS training. You will have an assistant instructor for the practical exercise portion of this class. You will follow instructions as found in the appropriate TMs to prepare the vehicle for PGS training.

2-2. CONFERENCE/DEMONSTRATION/PRACTICAL EXERCISES. (70 minutes)

- Notes.
- 1. The primary instructor now releases the student crews to their assigned assistant instructors for the practical exercise portion of this lesson.
 - 2. Prior to students' arrival, ensure that an assistant instructor is assigned to each training station.
 - 3. Direct students to their appropriate training station.
 - 4. Each assistant instructor is to conduct a safety briefing for his small group IAW Appendix B.
 - 5. Whenever possible, have the students serve as demonstrators during small group instruction. Have one student read the procedures while another student performs the task. To ensure all students get equal hands-on time, rotate the reading and performance responsibilities.
 - 6. The assistant instructor discusses and clarifies the procedures as required and reinforces the training objective.

Warning. Accidental firing of the 25 mm gun could cause injury or death. Ensure weapon is clear before training.

Note. Show Slide 3.

- a. **Conduct Pre-mission Checks.** Work as a crew to perform the pre-mission checks IAW TM 08594A-10/1A.

2-2. CONFERENCE/DEMONSTRATION/PRACTICAL EXERCISES (Con't).

Note. Inform the crews that improper boresighting of the vehicle will result in poor training results.

- b. **Boresight Turret Weapons.** Boresight M242 and reference thermal sight using procedures outlined in TM 08594A-10/1A.

Note. Show Slides 4a and 4b.

- c. **Prepare LAV-25.**

- (1) Place the vehicle MASTER SWITCH OFF.
- (2) Place turret power OFF (see TM 08594A-10/1A, paragraph 2-56).
- (3) Ensure that TURRET DRIVE LOCK is set to LOCKED.
- (4) Remove commander's daysight browpad using TM 08594A-12&P and stow in vehicle.
- (5) Remove lid on HE ammunition box.
- (6) Remove and stow HE ammunition feed chute.

Caution. Ensure AP and HE feed shaft stop knobs on 25 mm gun are pushed IN to prevent damage to vehicle fire control system if electrical cables are snagged.

- (7) Ensure that the AP and HE feed shaft stop knobs are pushed IN.
- (8) Remove and stow binocular case storage bracket from right-front side turret and replace mounting bolts.
- (9) Adjust load plan as required to allow for external mounting of system components.

2-3. FINAL REVIEW. (5 minutes)

- a. **Student Questions.**

Note. Show Slide 5.

- b. **Summary of Main Teaching Points.**

- (1) Pre-mission checks
- (2) Boresight M242 and reference thermal sight
- (3) Perform thermal sight system checkout
- (4) Prepare LAV-25 vehicle specific equipment

2-3. FINAL REVIEW (Con't).

Note. Show Slide 6.

- c. **Closing Statement.** In order to get the desired training result from the PGS equipment, you must be able to properly prepare the vehicle for PGS training.

APPENDIX A TO LESSON PLAN 2

PREPARATION OF LAV-25

TOOLS, EQUIPMENT, AND MATERIALS

The listed equipment is one per vehicle crew.

1. LAV-25 with SL3
2. 25 mm boresight kit and boresight adapter
3. Square boresight target at 1000 m
4. TM 08594A-10/1A
5. TM 08594A-12&P

APPENDIX B TO LESSON PLAN 2

PREPARATION OF LAV-25

SAFETY

The general safety regulations below must be followed during the performance of this lesson. All safety regulations outlined in TM 08594A-10/1A must be strictly followed.

1. Mount and dismount vehicle over left-front or through the back hatch.
2. Maintain three (3) points of contact while on top of vehicle.
3. Follow unit SOP on smoking near vehicle.
4. Do not go over or under gun barrel.
5. Ensure that TURRET DRIVE LOCK is set to LOCKED.
6. Set vehicle MASTER SWITCH OFF.
7. Turn turret power OFF IAW TM 08594A-10/1A, paragraph 2-56.
8. Ensure that AP and HE feed shaft stop knobs (located on left side of main gun feeder) are pushed IN before training. When knobs are out, electrical cables may be snagged causing damage to vehicle fire control system.
9. No cables should be connected or disconnected by untrained personnel.

**APPENDIX C
TO LESSON PLAN 2**

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VIEWGRAPHS
